

AMENDMENTS TO THE CLAIMS:

This listing of the claims will replace all prior versions, and listings, of the claims in this application.

Listing of Claims:

1. (Currently Amended) A method, comprising:

communicating in a cellular communications network through a dedicated channel comprising both an uplink and a plurality of downlinks;

controlling a flow of data packets by at least one of a server function and a server in a core network;

keeping up the dedicated channel after a last speech sample packet is sent downlink from the core network by sending post-speech packets for a time of such duration that a new uplink can be established utilizing at least one downlink from the core network; and

wherein the at least one of the server function and the server in the core network transmits the post-speech packets to the plurality of downlinks responsive to a packet indicating an end of speech samples from the uplink.

2. (Previously Presented) The method according to claim 1 wherein the keeping up of the dedicated channel comprises:

the at least one of the server function and the server determining when the last speech sample packet is sent;

the at least one of the server function and the server sending at least one post-speech packet downlink to receiving terminals;

determining whether a terminal taking part in the session needs a new uplink; and

establishing said new uplink.

3. (Previously Presented) The method according to claim 2 wherein each of the receiving terminals additionally signals the user of the terminal after receiving the last speech sample packet.

4. (Original) The method according to claim 2 wherein said post-speech packets are sent downlink 5 to 10 times at intervals of 500 ms at most.

5. (Previously Presented) The method according to claim 4 wherein after a last post-speech packet the downlink used is released after a delay specific to a cellular network.

6. (Previously Presented) The method according to claim 4 wherein post-speech packets are also sent to a terminal that used the uplink.

7. (Previously Presented) The method according to claim 1 wherein the dedicated channel used is kept up in such a manner that at least one post-speech packet is appended to a last speech packet received by the at least one of the server function and the server.

8. (Currently Amended) An apparatus, comprising:

a control unit; and

a memory including software, where the memory and the software are configured, with the control unit, to cause the apparatus at least to

a receiver configured to receive a last speech sample packet from an uplink in a cellular communications network;

a processing device configured to prolong an existence of downlinks by sending post-speech packets to a plurality of downlinks for a time of such duration that at least one new uplink can be established from a receiving terminal; and

wherein the apparatus is configured to transmit the post-speech packets to the plurality of downlinks responsive to a packet indicating an end of speech sample from the uplink.

9. (Currently Amended) The apparatus according to claim 8, where the memory and the software are configured, with the control unit, configured to cause the apparatus to prolong the existence of a downlink by sending the post-speech packets to at least one terminal connected to the apparatus.

10. (Currently Amended) The apparatus according to claim 9, where the memory and the software are configured, with the control unit, configured to cause the apparatus to send 5 to 10 post-speech packets at intervals of 500 ms at most.

11. (Currently Amended) The apparatus according to claim 10, where the memory and the software are configured, with the control unit, configured to cause the apparatus to include in the post-speech packets, information intended for a user of the at least one terminal.

12. (Currently Amended) An apparatus, comprising:

a control unit; and

a memory including software, where the memory and the software are configured, with the control unit, to cause the apparatus at least to

~~a control unit configured to~~ at least one of recognize or transmit post-speech packets on a packet data channel responsive to a packet indicating an end of speech samples.

13. (Currently Amended) The apparatus according to claim 12, ~~comprising the control unit further configured~~ where the memory and the software are configured, with the control unit, to cause the apparatus to perform signaling after receiving a last speech sample packet.

14. (Previously Presented) The apparatus according to claim 12, where the recognized post-speech packets are appended to speech sample packets.

15. (Currently Amended) A cellular communications network comprising:
at least one network element; and

a memory including software, where the memory and the software are configured, with the at least one network element, to at least

~~configured to~~ maintain a dedicated channel between a sending terminal and a plurality of receiving terminals by sending, responsive to a last speech packet from the sending terminal, post speech packets to the plurality of receiving terminals for a time of such duration that a new dedicated channel can be established utilizing said earlier dedicated channel.

16. (Currently Amended) The cellular communications network according to claim 15, where said dedicated channel in the cellular communications network is maintained by sending the post-speech packets, after a last speech packet transmitted, to at least one terminal connected to the dedicated channel.

17. (Currently Amended) The cellular communications network according to claim 16, where ~~an~~ a network element for sending post-speech packets is a server operating in the network.

18. (Currently Amended) The cellular communications network according to claim 17, where the server sending post-speech packets is a router server.

19. (Currently Amended) The cellular communications network according to claim 16, where an element for sending post-speech packets is a terminal ending its transmission.

20. (Currently Amended) The cellular communications network according to claim 16 wherein the dedicated channel is maintained by sending 5 to 10 post-speech packets at intervals of 500 ms at most.

21. (Currently Amended) The cellular communications network according to claim 20 wherein after a last post-speech packet said earlier dedicated channel is arranged to be released after a delay specific to the network.

22. (Currently Amended) A data storage medium encoded with software readable by a data processing device for performing actions for continuing the existence of a dedicated channel in a packet-switched cellular communications network, the actions comprising:

determining when a last speech sample packet is sent uplink,
sending at least one post-speech packet to a plurality of receiving terminals responsive to the last speech sample packet,
determining whether a receiving terminal taking part in the session needs a new uplink, and
establishing said uplink.

23. (Cancelled)

24. (Currently Amended) A computer readable medium encoded with a computer program executable to perform actions comprising:

communicating in a cellular communications network through a dedicated channel comprising both an uplink and a plurality of downlinks;

controlling a flow of data packets by at least one of a server function and a server in a core network;

keeping up the dedicated channel responsive to a last speech sample packet sent downlink from the core network by sending post-speech packets for a time of such duration that a new uplink can be established utilizing at least one downlink from the core network; and

transmitting the post-speech packets to the plurality of downlinks after receiving a packet indicating an end of speech sample from the uplink.

25. (Previously Presented) The computer readable medium encoded with a computer program according to claim 24, wherein the keeping up of the dedicated channel comprises:

determining when the last speech sample packet is sent;

sending at least one post-speech packet downlink to receiving terminals;

determining whether a terminal taking part in the session needs a new uplink; and

establishing said new uplink.

26. (Previously Presented) The computer readable medium encoded with a computer program according to claim 25, wherein each of the receiving terminals additionally signals the user of the terminal after receiving the last speech sample packet.

27. (Previously Presented) The computer readable medium encoded with a computer program according to claim 25 wherein said post-speech packets are sent downlink 5 to 10 times at intervals of 500 ms at most.

28. (Previously Presented) The computer readable medium encoded with a computer program according to claim 27 wherein after a last post-speech packet the downlink used is released after a delay specific to a cellular network.

29. (Previously Presented) The computer readable medium encoded with a computer program according to claim 27 wherein post-speech packets are also sent to a terminal that used the uplink.

30. (Previously Presented) The computer readable medium encoded with a computer program according to claim 24 wherein the dedicated channel used is kept up in such a manner that at least one post-speech packet is appended to a last speech packet received by the at least one of the server function and the server.